

Appl. No. 09/659,895  
Atty. Docket No. 7885  
Arndt, dated June 9, 2003  
Reply to Office Action of February 7, 2003  
Customer No. 27752

#### AMENDMENTS TO THE CLAIMS

1. (currently amended) A capped poly(oxyalkylated) alcohol having the formula:



wherein, R is selected from the group consisting of linear or branched, saturated or unsaturated, substituted or unsubstituted, aliphatic or aromatic hydrocarbon radicals having from about 1 to about 30 carbon atoms; R<sup>1</sup> may be the same or different, and is independently selected from the group consisting of branched or linear C<sub>2</sub> to C<sub>7</sub> alkylene in any given molecule; x is a number from 1 to about 30; and R<sup>2</sup> is selected from the group consisting of:

(i) a 4 to 8 membered substituted, or unsubstituted heterocyclic ring containing from 1 to 3 hetero atoms; and

(ii) ~~linear or branched, saturated or unsaturated, substituted or unsubstituted, cyclic or acyclic, aliphatic or partially unsaturated cyclic or aromatic hydrocarbon radicals having from about 4 to about 30 carbon atoms; and~~

(iii) 7 to 13 membered substituted, or unsubstituted polycyclic ring;

(iv) substituted or unsubstituted cyclic hydrocarbon radical having from 5 to 30 carbon atoms, wherein when the cyclic hydrocarbon radical is an unsubstituted 6 carbon radical or a substituted 7 or 8 carbon radical, R is a linear or branched, saturated or unsaturated, substituted or unsubstituted aliphatic radical having from about 1 to about 5 carbon atoms; and

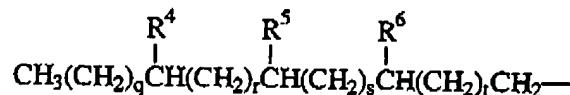
(v) substituted or unsubstituted cyclic hydrocarbon radical having from 5 to 30 carbon atoms, wherein when the cyclic hydrocarbon radical is an unsubstituted cyclohexyl radical or a methyl or ethyl substituted cyclohexyl radical, R is a branched, saturated or unsaturated, substituted or unsubstituted aliphatic radical having from about 23 to about 30 carbon atoms;

2. (original) The compound as claimed in Claim 1 wherein R is a linear or branched, saturated or unsaturated, substituted or unsubstituted, aliphatic hydrocarbon radical having from about 1 to about 20 carbon atoms.

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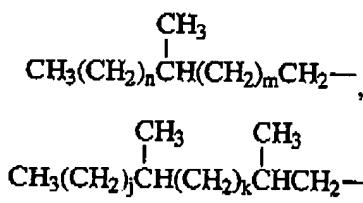
3. (original) The compound as claimed in Claim 2 wherein R is a linear or branched, saturated, aliphatic hydrocarbon radicals having from about 4 to about 18 carbon atoms.

4. (original) The compound as claimed in Claim 1 wherein R has the formula:



wherein R<sup>4</sup>, R<sup>5</sup>, and R<sup>6</sup> are each independently selected from hydrogen, C<sub>1</sub>-C<sub>3</sub> alkyl, and mixtures thereof, provided that R<sup>4</sup>, R<sup>5</sup>, and R<sup>6</sup> are not all hydrogen and, when t is 0, at least R<sup>4</sup> or R<sup>5</sup> is not hydrogen; q, r, s, t are each independently integers from 0 to 13.

5. (original) The compound as claimed in Claim 4 wherein R has the formula:



wherein n, m, j and k are each independently integers from 0 to 13.

6. (currently amended) The compound as claimed in Claim 1 wherein R<sup>2</sup> is a ~~hydrocarbon~~ radical of the formula:



*A17*  
 wherein R<sup>3</sup> is selected from the group consisting of ~~linear or branched, saturated or unsaturated, substituted or unsubstituted, aliphatic or aromatic~~ hydrocarbon radicals having from about 16 to about 3027.

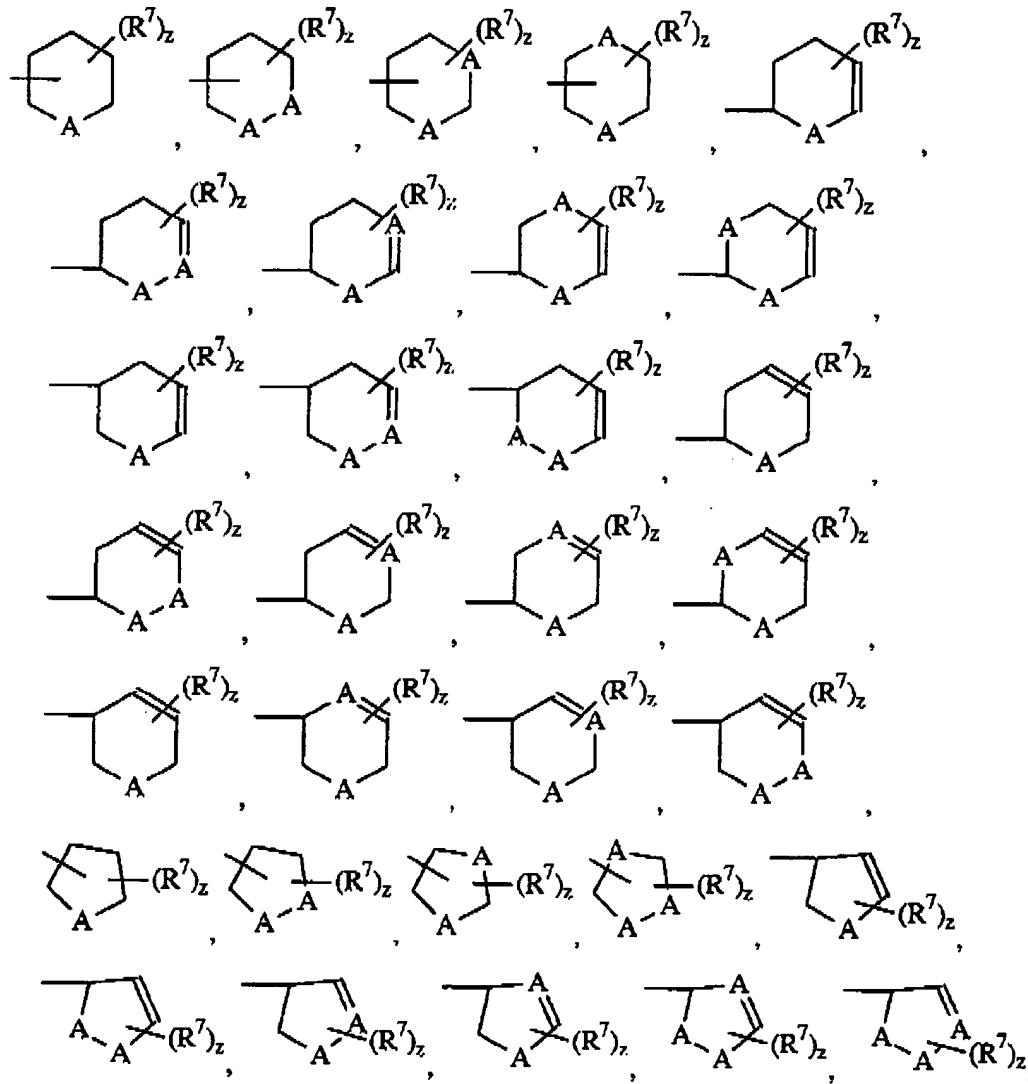
7. (withdrawn) The compound as claimed in Claim 6 wherein R<sup>3</sup> is CH<sub>2</sub>CH<sub>2</sub>.

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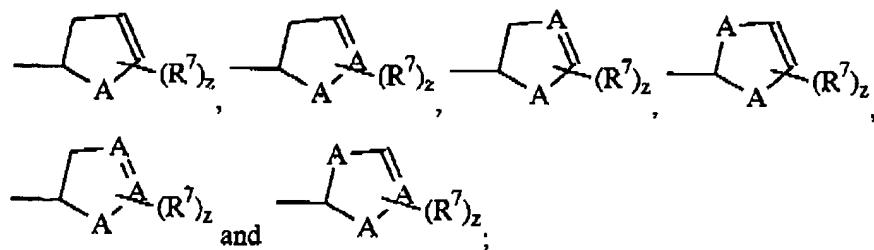
*A 18*  
 8. (currently amended) The compound as claimed in Claim 1 wherein  $R^2$  is a 4 to 8 member substituted, or unsubstituted heterocyclic ring containing from 1 to 3 hetero atoms.

9. (currently amended) The compound as claimed in Claim 8 wherein said heterocycle substituted or unsubstituted heterocyclic ring is a 5 or 6 member heterocycle.

10. (currently amended) The compound as claimed in Claim 9 wherein said heterocycle is selected from the group consisting of:

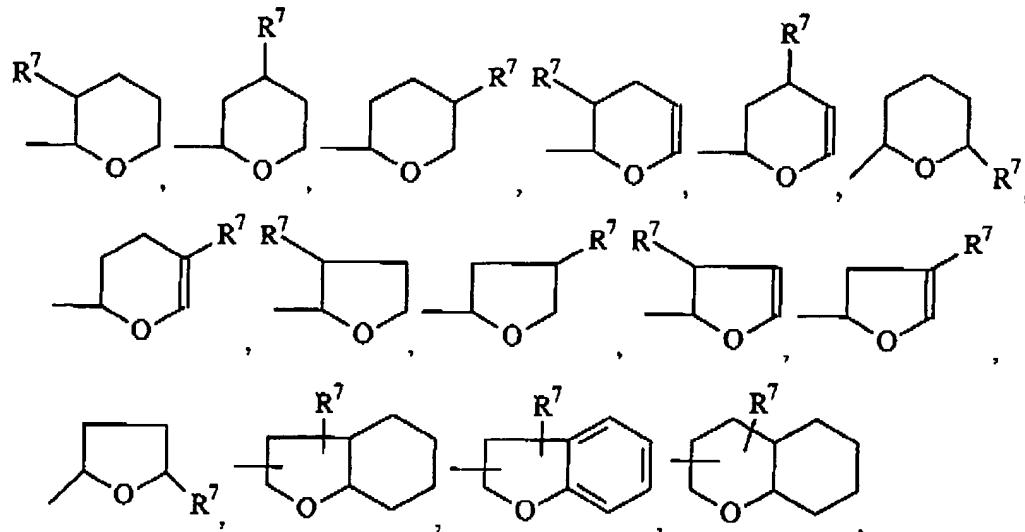


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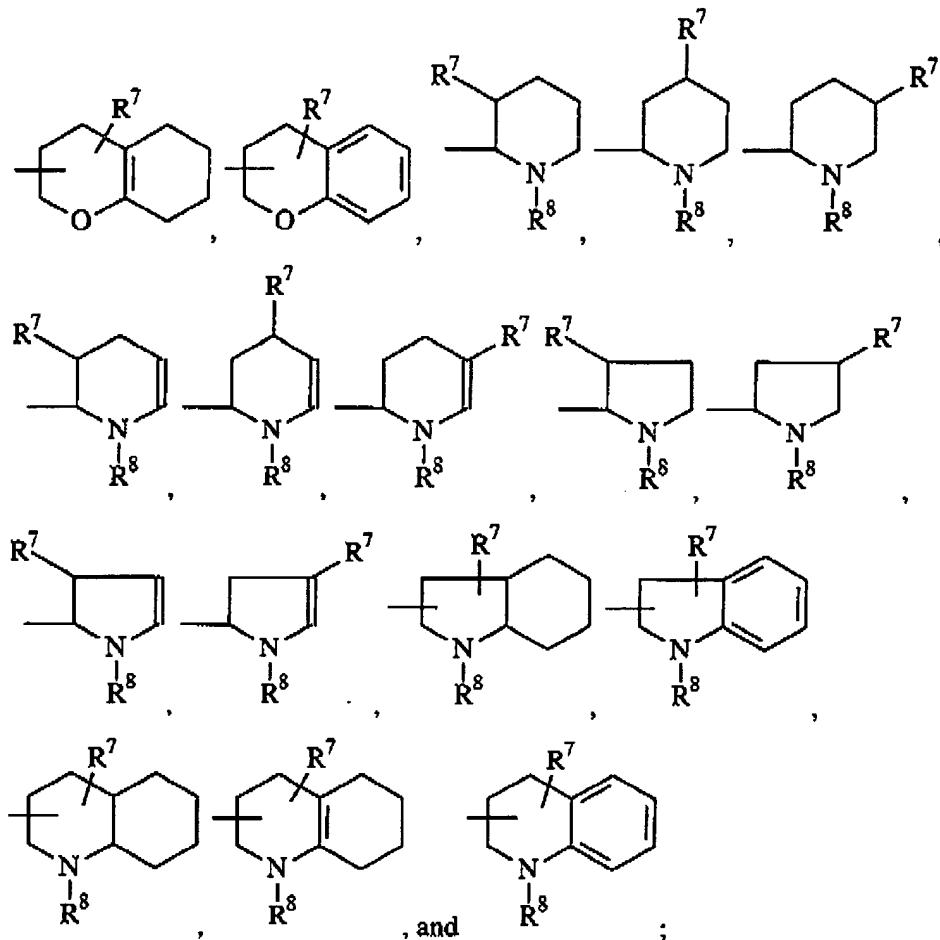


wherein each  $R^7$  is independently selected from the group consisting of hydrogen, linear or branched, saturated or unsaturated, substituted or unsubstituted, aliphatic hydrocarbon or alkoxy radical having from about 1 to about 10 carbon atoms, or  $R^7$  is a saturated or unsaturated, substituted or unsubstituted, alicyclic or aromatic hydrocarbon or alkoxy radical having, from about 1 to about 10 carbon atoms, which is fused to the heterocyclic ring; each  $A$  is independently selected from the group consisting of O, and  $N(R^8)_a$ , wherein  $R^8$  is independently selected from the group consisting of hydrogen, linear or branched, saturated or unsaturated, substituted or unsubstituted, aliphatic hydrocarbon or alkoxy radical having from about 1 to about 10 carbon atoms, and  $a$  is either 0 or 1; provided that any A that is bound by a double bond must be  $N(R^8)_a$ , wherein  $a = 0$ ;  $z$  is an integer from 1 to 3.

11. (original) The compound as claimed in Claim 10 wherein said heterocycle is selected from the group consisting of:



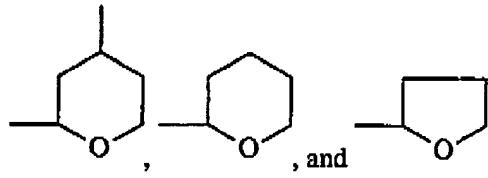
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wherein  $R^7$  and  $R^8$  are defined as above.

12. (original) The compound as claimed in Claim 1 wherein said ether-capped poly(oxyalkylated) alcohol contains a chiral center.

13. (original) The compound as claimed in Claim 11 wherein said heterocycle is selected from the group consisting of:



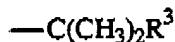
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14. (original) The compound as claimed in Claim 1 wherein R<sup>2</sup> is a 7 to 13 membered substituted, or unsubstituted polycyclic ring.

15. (original) The compound as claimed in Claim 14 wherein R<sup>2</sup> is selected from the group consisting of substituted, or unsubstituted adamantane, substituted, or unsubstituted norbornane, substituted, or unsubstituted nortricyclene, and substituted, or unsubstituted bicyclo[2.2.2]octane.

*A (9)*

16. (currently amended) The compound as claimed in Claim 1 wherein R is selected from the group consisting of linear or branched, aliphatic hydrocarbon radicals having from about 7 to about 11 carbon atoms; x is a number from 6 to about 10; and R<sup>2</sup> is selected from the group consisting of a hydrocarbon radical of the formula:



wherein R<sup>3</sup> is selected from the group consisting of linear or branched, saturated or unsaturated, substituted or unsubstituted, cyclic aliphatic radicals having from about 5 to about 30 carbon atoms or substituted or unsubstituted aromatic hydrocarbon radicals having from about 6 to about 30 carbon atoms, having from about 2 to about 5 carbon atoms.

17. (currently amended) The compound as claimed in Claim 1 wherein R<sup>2</sup> is a hydrocarbon of the formula:



wherein, y is an integer from 0 1 to 7; and X, is a 4 to 8 membered substituted, or unsubstituted, partially unsaturated cyclic or aromatic hydrocarbon radical.

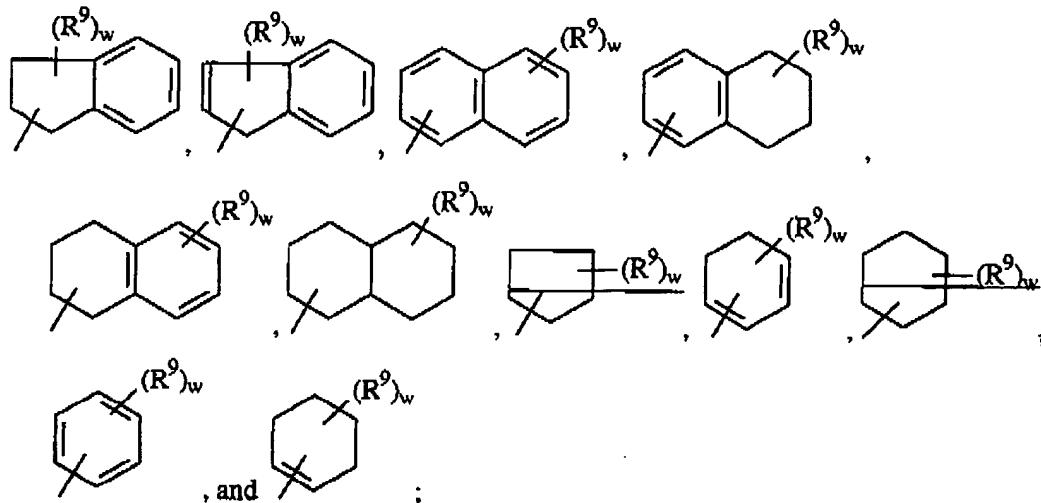
18. (currently amended) The composition as claimed in Claim 17 wherein y is 0 from 1 to 7 and X, is a 5 or 6 membered substituted, or unsubstituted, saturated or unsaturated cyclic or aromatic hydrocarbon radical.

19. (currently amended) The compound Claim 1 wherein R<sup>2</sup> is a hydrocarbon of the formula:



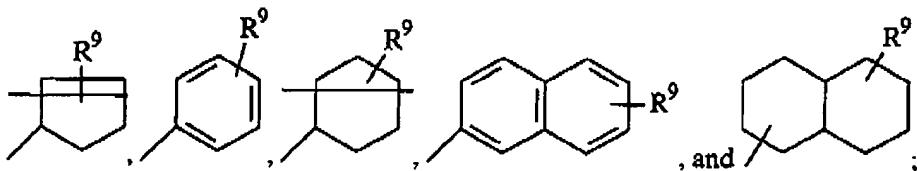
wherein, y is an integer from 0 to 7, and Claim 17 wherein X is selected from the group consisting of:

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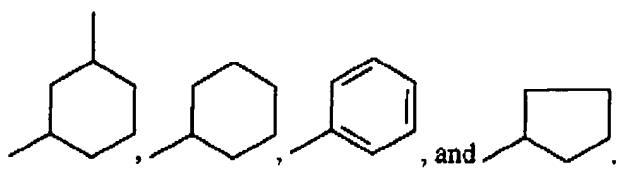
wherein each  $R^9$  is independently selected from the group consisting of hydrogen, linear or branched, saturated or unsaturated, substituted or unsubstituted, aliphatic hydrocarbon or alkoxy radical having from about 1 to about 10 carbon atoms, or  $R^9$  is a saturated or unsaturated, substituted or unsubstituted, alicyclic or aromatic hydrocarbon radical having, from about 1 to about 10 carbon atoms, which is fused to the ring;  $w$  is an integer from 1 to 3.

20. (*currently amended*) The compound as claimed in Claim 19 wherein X is selected from the group consisting of:



wherein  $R^9$  is defined as above.

21. (*currently amended*) The compound as claimed in Claim 19 18 wherein X is selected from the group consisting of:



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22. (currently amended) The compound as claimed in Claim 1 wherein R is selected from the group consisting of linear or branched, aliphatic hydrocarbon radicals having from about 7 to about 11 carbon atoms; x is a number from 6 to about 10; and R<sup>2</sup> is selected from the group consisting of a hydrocarbon radical of the formula:



wherein y is 0 and X, is a 5 or 6 membered substituted, or unsubstituted, saturated or unsaturated cyclic or aromatic hydrocarbon radical.

23. (currently amended) The process compound as claimed in Claim 22 wherein X is selected from the group consisting of

